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COMMUNICABLE DISEASE CENTER

# and M

Vol. 15, No. 42

WEEKLY REPORT

Week Ending October 22, 1966

## U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

PUBLIC HEALTH/SERVICE

## MEASLES - Poterson, New Jersey

Only 109 cases of measles were reported in Paterson, New Jersey (population 147,490) during 1965. This was the smallest total in recent years and far below the average of 1,084 cases per year reported for 1960 through 1964. Due to a change in reporting, complete data on measles incidence are lacking for the first half of 1966.

Although measles incidence in Paterson during August and September 1966 was seasonally low, it has increased markedly in October. To date, 37 cases have been reported this month, 34 of which are in students attending 8 of the 43 public and parochial elementary schools in the city.

Epidemiologic Notes and Reports
Measles - Paterson, New Jersey
Botulism Type F - California
Respiratory Disease - Panara and Canal Zone
Current Trends
Measles - 1966
Reported Cases of Post-Infections and Post-Immunization Encephalitis
Surveillance Summary
1965-1966 Influenza Season
360

Representatives of the Paterson Board of Education, of the City and State Health Departments, and of the local Community Action Program are conducting a measles susceptibility survey in 20 schools in the core area of the city. Plans for an immunization program through the (Continued on page 358)

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES (Cumulative tatals include revised and delayed reports through previous weeks)

	42nd WEEL	K ENDED	MEDIAN	CUMULA'	TIVE, FIR	ST 42 WEEKS
DISEASE	OCTOBER 22, OCTOBER 23, 1966 1965		MEDIAN 1961 — 1965	1966	1965	MEDIAN 1961 – 1965
Aseptic meningitis	59	58	61	2,453	1,735	1,717
Brucellosis	3	4	4	201	198	336
Diphtheria	5	4	8	156	122	213
Encephalitis, primary:						
Arthropod-borne & unspecified	58	68		1,778	1,540	
Encephalitis, post-infectious	9	2		630	574	
Hepatitis, serum Hepatitis, infectious	37 680	698	744	1,128 25,713	27,465	35,061
Measles (rubeola)	633	784	981	192,121	243,982	391,530
Poliomyelitis, Total (including unspecified)	3	1	6	77	49	353
Paralytic	2	_	5	70	39	301
Nonparalytic	_	1			7	
Meningococcal infections, Total	46	39	43	2,897	2,501	1,937
Civilian	46	34		2,616	2,314	
Military	_	5		281	187	
Rubella (German measles)	244			42,816		
Streptococcal sore throat & Scarlet fever	6,619	6,160	5,395	339,279	316,951	273,991
Tetanus	7	4		159	214	
Tularemia	3	3		139	208	
Typhoid fever	11	16	14	319	354	445
Typhus, tick-borne (Rky. Mt. Spotted fever).	-	2		223	245	
Rabies in Animals	57	71	58	3,344	3,567	3,097

#### NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax:	5	Botulism:	 8
Leptospirosis: Tex-1	54	Trichinosis	 84
Malaria: Calif-6, Fla-2, Ga-1, Ind-1, Kan-1, Mass-3, NYC-1, NC-2,		Rabies in Man:	 2
Ore-2, Pa-7	360	Rubella, Congenital Syndrome:	 20
Psittacosis:	40	Plague:	 4
Typhus, murine: Mass-1	24		

#### MEASLES - Paterson, New Jersey (Continued)

schools have been formulated in case a high percentage of measles-susceptible children in kindergarten through third grades is found.

A free community-wide immunization clinic for indigent preschool children and others living outside the core area will be conducted on October 30. An intensive publicity campaign is underway to encourage non-indigent

parents to have their children immunized by their private physicians.

(Reported by Dr. J. Allen Yaeger, Director, Paterson Board of Health; Dr. William J. Dougherty, Director, Division of Preventable Diseases, New Jersey Health Department; and an EIS Officer.)

#### CURRENT TRENDS MEASLES - 1966

During the 42nd week (ending October 22, 1966), 633 measles cases were reported, a decrease of 48 cases over the preceding week. The 41st and 42nd weeks represent the first 2 weeks of the current epidemiologic year.\* For the comparable weeks in 1965, totals of 872 and 782 measles cases were reported.

Counties reporting measles during the 41st week (ending October 15, 1966) are shown in Figure 1. In the District of Columbia and the 42 States for which information is available, only nine counties reported 10 or more cases of measles (Table 1). Together these nine counties contributed 262 of the 681 cases reported during the 41st week.

(Reported by the Childhood Viral Diseases Unit, Epidemiology Branch, CDC.)

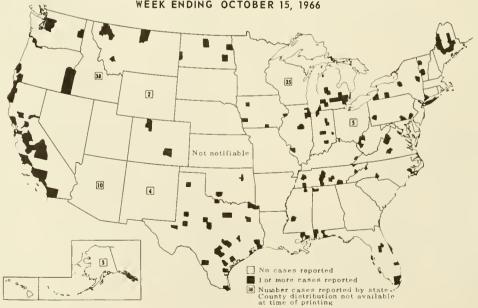
#### Editorial Note:

Data for county distribution of measles are available through the cooperation of State Epidemiologists. Maps and analysis of county data will be included as a regular feature in MMWR in order to draw attention to areas where prompt and effective epidemic control programs, such as those described in previous issues of MMWR (Vol. 14, Nos. 42, 44, 48 and Vol. 15, Nos. 3, 6, 7, 8, 9), could be expected to terminate outbreaks.

Toble 1
Nine Counties with Highest Incidence of
Reported Meosles for Week Ending October 15, 1966

Snohomish County, Washington	71
Nevada County, California	60
Rutland County, Vermont	25
Galveston County, Texas	24
Gibson County, Tennessee	21
Spokane County, Washington	19
Detroit City, Michigan	16
King County, Washington	15
Maury County, Tennessee	11
Total	262

Figure 1
COUNTIES OR HEALTH DISTRICTS REPORTING MEASLES
WEEK ENDING OCTOBER 15, 1966



<sup>\*</sup>The current epidemiologic year for measles started with week 41 beginning October 9, 1966, and will close with week 40 ending October 7, 1967.

## EPIDEMIOLOGIC NOTES AND REPORTS BOTULISM TYPE F - Colifornia

The outbreak of botulism in California traced to venison jerky (MMWR, Vol. 15, No. 41) has been presumptively identified as type F. Initially mice injected with an extract of the food were protected by both type E and type F antitoxin for 24 hours, but after 48 hours only mice protected with type F antitoxin were alive. In repeat tests, however, a fresh extract of the food killed all mice with typical symptoms of botulism within 18 hours except those receiving heated extract and those protected with type F antitoxin. Bacteriological studies of the food to identify and characterize the microorganism are in progress.

(Reparted by the California State Department of Public Health Labaratary and the Anaerabic Bacteriology Labaratary, Laboratary Branch, CDC.)

#### Editorial Note:

Cross neutralization between type F and type E, when type E antitoxin is in large excess, has been reported previously. With final confirmation of the organism, this will become the second outbreak of type F botulism to be documented. The first outbreak was observed on the Danish Island of Langeland and involved homemade liver paste. Among the five persons who ate the liver paste, three had severe attacks of botulism, one died and one had

no symptoms. The organism isolated from the liver paste was studied more extensively by Dolman and Murakami and designated as *Clastridium batulinum* type F.<sup>3</sup> The organism was first demonstrated in the United States by Eklund and Poysky in two different samples of marine sediments collected off the coast of California and Oregon. Two additional demonstrations have been made from marine sediments recently and pure cultures are being studied. In addition, the organism was isolated from a salmon (*Oncorhynchus nerka*) taken from the Columbia River. 5

#### REFERENCES:

<sup>1</sup>Eklund, M.W. and Poysky, F.: Clostridium botulinum type F from marine sediments. Science 149:306, 1965.

<sup>2</sup>Moller, V. and Scheibel, I.: Preliminary report on the isolation of an apparently new type of *Clostridium botulinum*. Acta. Path. Microbiol. Scand. 48:80, 1960.

<sup>3</sup>Dolman, C.E. and Murakami, L.: *Clostridium botulinum* type F with recent observations on other types. J. Infect. Dis. 109:107, 1961.

<sup>4</sup>Eklund, M.W., Poysky, F., and Wieler, D.: Demonstration and isolation of *Clostridium botulinum* type F from the Pacific Coast of the United States. Presented at the Symposium in Moscow, Russia, July 1966.

<sup>5</sup>Craig, J.M. and Pilcher, K.S.: *Clostridium botulinum* type F: Isolation from salmon from the Columbia River. Science 153: 311, 1966.

## REPORTED CASES OF POST-INFECTIOUS AND POST-IMMUNIZATION ENCEPHALITIS THIRD QUARTER ENDING OCTOBER 1, 1966 (WEEKS 27-39)

State	Mumps	Measles	Chickenpox	Other specified
Alaska		1		
California	17	9	6	
Connecticut	2			
Florida	10	1		
Illinois	9		1	Influenza-1
lowa	1	3		
Kentucky	1			
Louisiana	1	1		
Massachusetts	5			
Michigan	12	6		Herpes-1
Minnesota	8	2		Influenza-3, Herpes-2
Montana	1			,
New Hampshire	1			
New York, Upstate	6		1	
Pennsylvania	10	2	1	
Tennessee	3	1		Influenza-1, Herpes-1
Texas	4	2		Post-vaccinial-1
Vermont	1			Herpes Simplex-1
Virginia	2	1		
Washington	6	1	1	
Third Quarter Total				
1966	99	30	9	
1965	93	24	14	
Cumulative Total (weeks 1-39)				
1966	343	159	70	
1965	357	94	72	

## SURVEILLANCE SUMMARY 1965-1966 INFLUENZA SEASON

Between December 1965 and May 1966, the presence of influenza (type A and/or B) was identified clinically and epidemiologically in 49 of the 50 States. Laboratory confirmation was made in all but one State. As indicated in Table 2, strains of A2 virus were isolated in 17 States and serologically confirmed in 12 others, while strains of B virus were isolated in 25 States and serologically confirmed in 16 others. Twenty-one States confirmed the presence of both types A and B. Those areas affected by both viruses usually experienced two waves of increased influenza activity, although occasionally both types occurred concurrently.

Influenza B, which appeared earlier than type A, was first recognized in the northeast area of the country; influenza A was first noted on the west coast (Figure 2). Each virus type then spread centrally from its initial focus, resulting in the widespread patterns of distribution noted in Figures 3 and 4.

Pneumonia influenza mortality reported to the Communicable Disease Center by 122 United States cities showed minor excursions above the epidemic threshold from mid-February to mid-May (Figure 5). The excess

mortality was contributed almost entirely by California; influenza mortality as indicated through school and industrial absenteeism, hospital admissions, and outpatient visits, reached levels not exceeded since 1960 when type  $A_2$  influenza also occurred in the State. In general, other areas involved with type  $A_2$  influenza experienced little excess mortality. In areas where type B virus was most widespread, school absenteeism without an equivalent rise in industrial absenteeism, hospital admissions, and excess mortality was noted, reflecting the younger age group more commonly involved.

Influenza viruses isolated during the 1965-66 season, of both type  $A_2$  and B, appear to form relatively homogenous groups when compared in reciprocal hemagglutination inhibition tests. Of major interest is the antigenic relationship of currently prevalent strains to the viruses which are used for the preparation of influenza virus vaccines. Of the two  $A_2$  vaccine components ( $A_2$ /Japan/170/62 and  $A_2$ /Taiwan/1/64), all viruses isolated during the past season showed a close relationship to the former strain. Contemporary strains show a continued shift away from the antigenic make-up of  $A_2$ /Japan/305/57, one of

Figure 2 STATES REPORTING PREDOMINANT OR WIDESPREAD TYPE A BY WEEK OF PEAK INCIDENCE ARK KANS VUMBER OF STATES IND. OKLA ALAS HAWAII COLC ПТАН WASH IDAHO ND DEL CALIF ARIZ ORE MONT IOWA W VA 30 18 15 22 12 19 26 12 FEBRUARY **DECEMBER** JANUARY WEEK ENDED STATES REPORTING PREDOMINANT OR WIDESPREAD TYPE B BY WEEK OF PEAK INCIDENCE

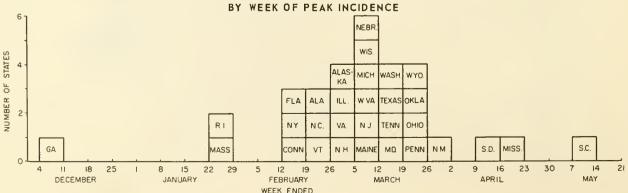


Table 2 United States Influenza (Winter 1965-66) State Summary\*

Divisian State	Peak Occurrence	GE	OGRAPHIC EXT	ENT**	Labaratory ( Isalatian	Canfirmatia Seralag
NEW ENGLAND						
Mossachusetts	Jon - late			Widespread B	В	В
Rhode Island	Jan — late			Widespread B	_	В
Connecticut	Feb - mid			Widespread B	В	В
Vermont	Feb - late			Widespread B	В	В
New Hampshire	Feb - late			Widespread B	_	В
Maine	Mar — eorly			Widespread B	В	В
MIDDLE ATLANTIC			.,,,,		-	
New Yark	Feb - mid	Isolated B			В	В
New Jersey	Mor - eorly		Regional B		В	В
(New Yark City)	Mor - late	Isolated A,B			A <sub>2</sub> , B	A
Pennsylvania	Mar - late	Isoloted B			В	
SOUTH ATLANTIC		100.0.00				
Georgia	Dec — early	Isolated A,B			В	A, B
Florido	Feb - mid			Widespread B	В	В
Narth Corolino	Feb - late		Regional B		_	В
Virginia	Feb - lote	Isoloted A	-	Widespread B	В	A, B
•		Isoloted A			_	A, B
W. Virginia	Mar – eorly	Isoloted B		Widespread B	B	1
Maryland	Mar — mid				_	-
(Washington, D.C.)	Mar - late	Isoloted B			В	-
Delaware	Apr – mid	Isoloted A			A <sub>2</sub>	_
South Coralino	May — mid	Isalated B	• • • • •		-	В
EAST NORTH CENTRAL						
Illinais	Feb - late	Isoloted A	Regional B		A2, B	A, B
Wiscansin	Mar — eorly	Isoloted B			В	В
Michigon	Mar — early	Isolated A	Regional B		A2, B	В
Indiono	Mar — mid		Regianal A		_	A
Ohia	Mar — lote	Isalated A,B			-	A, B
EAST SOUTH CENTRAL						
Alabama	Feb - late	Isolated B			_	В
Kentucky	Mar — mid	• • • • •	Regional		-	_
Tennessee	Mor - mid	Isolated A	Regional B		В	A, B
Mississippi	Apr - mid	Isolated B			-	В
WEST SOUTH CENTRAL						
Texas	Mar — mid	Isalated A,B			A <sub>2</sub>	A, B
Oklahama	Mar – late		Regional A,B		A2, B	A, B
Arkonsos	Mor - lote	Isoloted A			-	A
Lauisiana	Mar — late	Isoloted A,B			A2, B	-
WEST NORTH CENTRAL						
Missauri					_	_
Nebraska	Mar - early		Regional B		В	В
Kansas	Mar - mid	Isolated A,B			A <sub>2</sub>	A, B
Minnesoto	Mor - lote		Regional B	Widespread A	A <sub>2</sub>	A, B
North Dokoto	Mor - lote	Isolated B		Widespread A	_	A, B
lowo	Apr - eorly		Regional A		A <sub>2</sub>	_
Sauth Dakota	Apr - mid	Isolated B			_	В
HOUNTAIN						_
Arizona	Mar — early			Widespread A	_	A
Utah	Mar — early	Isalated A			A <sub>2</sub>	A
Nevada	Mar - mid		Regional		-	
Idaho	Mor - late	Isoloted B		Widespread A	A2, B	A
Montono	Mar - lote	Isoloted B		Widespread A	A2	A, B
Wyoming	Mor - lote	Isoloted B		widespread A		B
Colorodo	Mor - lote	Isoloted A			A2	A
			Pagianal B			1
New Mexico	Mar - late	Isolated A	Regional B	• • • • •	-	A, B
PACIFIC	F.1 1 .	I. I. I.D		William LA	A . D	4.0
Colifornia	Feb - late	Isolated B		Widespread A	A2, B	A, B
Alaska	Mar - early			Widespread A,B	B	A, B
Woshington	Mar - mid			Widespreod A,B	В	A, B
Oregon	Mar - mid		Regional B	Widespreod A	A2, B	A, B
Hawoii	Mor - late			Widespread A	A2	A

<sup>\*</sup>Information from State Health Department Influenza Appraisal Summary, Research Institutions, University Centers and CDC Respiravirus Laboratory

<sup>\*\*</sup>Terms: Isolated — influenza recagnized in anly a limited number of small, well-defined population units.

Regianal — influenza recagnized in counties comprising less than 50 percent of the State's population.

Widespread — influenza recagnized in counties camprising mare than 50 percent of the State's population.

### 1965-66 INFLUENZA SEASON - (Continued)

the first viruses isolated after the emergence of Asian influenza.

Type B viruses appear to be clearly distinguishable from the vaccine strain B/Maryland/1/59. As a group, the 1965-66 viruses appear closely related to the B/Colo-

rado/2/64 strain isolated during a limited outbreak of type B influenza in the United States in 1964.

(Reported by the Influenza-Respiratory Diseases Unit, Epidemiology Branch, CDC.)

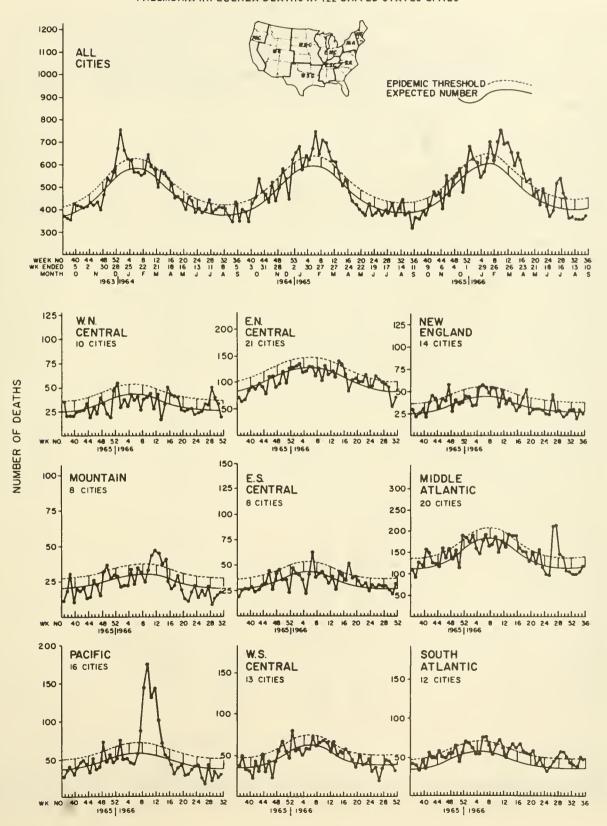
Figure 3
DISTRIBUTION OF INFLUENZA A - UNITED STATES - 1965-66



Figure 4
DISTRIBUTION OF INFLUENZA B - UNITED STATES - 1965-66



Figure 5
PNEUMONIA-INFLUENZA DEATHS IN 122 UNITED STATES CITIES



## Morbidity and Mortality Weekly Report

# CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

OCTOBER 22, 1966 AND OCTOBER 23, 1965 (42nd WEEK)

					ENCEPHAL	ITIS				HEPATITIS	
AREA	ASEI MENIN	PTIC NGITIS	BRUCELLOSIS	Prim inclu unsp.	ding	Post- Infectious	DIPH	THERIA	Serum	Infectious	Both Types
	1966	1965	1966	1966	1965	1966	1966	1965	1966	1966	1965
UNITED STATES	59	58	3	58	68	9	5	4	37	680	698
							,				
NEW ENGLAND	1	5	~	3	1	1	1	-	3	26	43
Maine	-	-	-	-	-	-	-	-	-	9	5
New Hampshire	-	-	-	-	-	-	-	-	-	3	-
Vermont	-	-	-	-	-	-	-	-	-	-	1
Massachusetts	1	2	-	2	1	1	1	-	1	7	18
Rhode Island	-	2	-	-	-	-	-	-	2	3	3
Connecticut	-	1	-	1	-	-	-	-	-	4	16
MIDDLE ATLANTIC	8	8	-	9	9	1	-	-	21	104	101
New York City	4	4	~	5	3	-	-	-	11	36	25
New York, Up-State.	1	1	-	1	1	-	-	-	3	25	20
New Jersey	1	3	-	2	3	-	-	~	6	17	29
Pennsylvania,	2	-	-	1	2	1	-	-	1	26	27
EAST NORTH CENTRAL	8	9	-	15	12	2	-	1	1	114	150
Ohio	2	1	-	12	5	-	-	-	1	27	50
Indiana	1	1	-	2	4	-	-	-	_	8	8
Illinois	2	5	-	_	1	1	-	1	_	22	10
Michigan	2	1	_	-	2	1	- 1		_	47	76
Wisconsin	1	1	_	1	-	_	_		_	10	6
				1							
WEST NORTH CENTRAL	3	3	_	5	11	_	1	_	_	55	28
Minnesota	3	3		i	1 1	_	1	_	_	5	11
I I				1	ł	_	_		_		2
Iowa	-	-			4	_				13	
Missouri	-	-	-	2	-	-	-	-	-	28	9
North Dakota	-	-	-	-	1	-	-	-	-	-	-
South Dakota	~	-	-	1	2	-	-	-	-	-	
Nebraska	-	-	-	1	1	-	-	-	-	5	3
Kansas	-	-	-	-	3	-	-	-	-	4	3
SOUTH ATLANTIC	6	6	-	2	2	2	-	1	1	69	80
Delaware	1	1	-	-	1	-	-	-	-	1	8
Maryland	-	1	-	-	-	-	-	-	-	14	15
Dist. of Columbia	~	-	-	-	-	-	-	-	-	2	2
Virginia	-	2	-	-	1	-	-	-	-	9	17
West Virginia	_	1	_		_	-	-	-	1	4	9
North Carolina	-	-	-	1	-	-	-	1	-	9	18
South Carolina	_	_	-	-	-	-	_	_	_	2	2
Georgia	_	_	_	-	_	_	_	_	_	7	_
Florida	5	1	_	1	_	2	-	_	_	21	9
	_	_									1
EAST SOUTH CENTRAL	7	5	1	5	_	_	2	_	_	38	51
Kentucky	_		_			_	-		_	8	17
Tennessee		1	1				-	_		19	20
	5			4		1				1	
Alabama	-	4	-	-	-	~	-	-	-	4	11
Mississippi	2	-	-	1	-	-	2	-	-	7	3
TEST COURT OF STREET			7	,	_			_	,	36	
WEST SOUTH CENTRAL	4	2	1	6	2	2	-	2	1	36	44
Arkansas	-	-	-	3	-	1	-	-	-	5	4
Louisiana	-	-	1	1	-	-	-	-	-	6	12
Oklahoma	-	-	-	-	-	-	-	*	-	2	1
Texas	4	2	-	2	2	1	-	2	1	23	27
MOUNTAIN	-	2	-	3	26	-	-	-	-	38	35
Montana	-	-	arb	-	-	-	-	-	-	7	5
Idaho		-	-	-	-	-	-	-	-	3	1
Wyoming	-	-	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	3	26	-	_	-	-	16	8
New Mexico	-	2	_	_	-	-	_		-	10	6
Arizona	-	_	_	_	-	-	-	_	_	1	9
Utah	_	_	-	_	_	_	_	_	_	-	6
Nevada	-		_		_					1	_
	_		_							1	
PACIFIC	22	1.0	1	10	e	1	1		10	200	166
Washington		18		10	5				10	200	166
	3	- 1	-	1	-	-	1	-	-	22	16
Oregon	1	1	-	1	1	-	~	-	10	32	19
California	18	16	1	8	4	1	-	-	10	145	111
		-	-	_	_	-	-	-		1	3
Alaska	-			1							
		1	-	-	-	-	-	-			17

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

### FOR WEEKS ENDED

OCTOBER 22, 1966 AND OCTOBER 23, 1965 (42nd WEEK) - CONTINUED

	MFA	SLES (Rube	ola)	MENINGO	COCCAL INFI	ECTIONS,		POLIOM	ELITIS		RUBELLA
AREA		·			TOTAL		Tot	al	Par	alytic	KOBELLA
	1066	Cumu la	ative	1966	Cumula	ative	1066	1065	1066	Cumulative	1066
	1966	1966	1965	1900	1966	1965	1966	1965	1966	1966	1966
UNITED STATES	633	192,121	243,982	46	2,897	2,501	3	1	2	70	244
NEW ENGLAND	19	2,346	36,932	2	127	128	_	_	_		27
Maine	3	226	2,828	_	10	16	_	_	_	_	3
New Hampshire	_	80	382	_	9	7	_	_	_	_	1
Vermont	12	278	1,301	_	4	7	-	_	-	-	_
Massachusetts	1	789	19,315	1	51	46	_	-	-	-	10
Rhode Island	-	72	3,943	-	15	14	-	-	-	-	1
Connecticut	3	901	9,163	1	38	38	-	-	-	-	12
MIOOLE ATLANTIC	54	18,151	15,162	7	354	321	_	_	_	_	10
New York City	14	8,316	2,488	1	50	54	-	_	-	_	8
New York, Up-State.	26	2,575	4,195	2	99	92	-	-	-	-	2
New Jersey	6	1,868	2,714	2	105	82	-	_	-	-	-
Pennsylvania	8	5,392	5,765	2	100	93	-	-	-	-	-
EAST NORTH CENTRAL	103	69.156	56,581	8	459	364	1	_	_	3	79
Ohio	5	6,370	8,921	6	129	97	1	_	_	-	8
Indiana	9	5,743	1,998	-	80	45	_	-	_	1	8
Illinois	27	11,411	2,827	-	81	102	-	_	_	2	19
Michigan	36	14,636	26,695	1	122	78	-	-	-	-	12
Wisconsin	26	30,996	16,140	1	47	42	-	-	-	-	32
WEST NORTH CENTRAL	27	8,771	16,714	3	154	128	_	1	_	1	12
Minnesota	2	1,645	705	1	35	29	-	_	_	1	3
Iowa	-	5,327	9,068	-	22	12	-	1	-	_	8
Missouri	2	535	2,600	2	60	52	_		_	-	_
North Oakota	23	1,147	3,773	_	11	11	-	-	_	-	1
South Oakota	_	40	115	-	5	3	-	-	-	_	-
Nebraska	-	77	453	-	8	10	-	-	-	-	-
Kansas	NN	NN	NN	-	13	11	-	-	-	-	-
SOUTH ATLANTIC	75	15,473	25,438	8	492	471	_	_	_	1	24
Oelaware	3	260	506	-	4	9	_	-	_	_	
Maryland	5	2,116	1,170	_	48	45	_	_	_	_	7
Dist. of Columbia	_	384	78	1	14	9	_	_	_	_	2
Virginia	9	2,197	4,121	4	60	57	_	-	_	_	5
West Virginia	29	5,369	14,020	-	35	25	-	-	-	-	4
North Carolina	5	505	396	2	127	96	-	-	-	-	-
South Carolina	-	658	1,058	-	50	62	-	-	-	-	-
Georgia	-	234	617	-	63	58	-	-	-	1	-
Florida	24	3,750	3,472	1	91	110	-	-	-	-	6
EAST SOUTH CENTRAL	15	19,862	14,207	1	251	193	-	-	-	3	3
Kentucky	-	4,736	2,714	1	89	77	-	-	-	-	2
Tennessee	14	12,398	8,026	-	85	61	-	-	-	~	1
Alabama	1	1,699	2,341	-	54	33	-	-	-	1	-
Mississippi	-	1,029	1,126	-	23	22	~	-	-	2	-
WEST SOUTH CENTRAL	135	24,976	31,164	6	392	324	2	_	2	59	2
Arkansas	-	971	1,085	-	3.5	16	-	-	-	-	-
Louisiana	-	99	110	3	146	180	~	-	-	1	-
Oklahoma	9	503	210	2	21	20	-	-	-	1	-
Texas	126	23,403	29,759	1	190	108	2	-	2	57	2
MOUNTAIN	22	12,109	19,982	1	89	87	-	-	-	-	10
Montana	3	1,841	3,764	1	5	2	-	_	_	-	1
Idaho	4	1,629	2,832	-	5	9	-	-	-	-	2
Wyoming	2	170	852	-	6	5	-	-	_	-	-
Colorado	-	1,321	5,715	-	48	24	-	-	-	-	-
New Mexico	2	1,139	679	-	10	11	-	-	-	-	-
Arizona	5	5,317	1,357	-	10	16	-	-	-	-	6
Utah	4 2	645	4,577	-	- 5	17	-	-	-	-	1
Nevada	2	4/	206	-	5	3	-	-	-		-
PACIFIC	183	21,277	27,802	10	579	485	-	-	-	3	77
Washington	105	3,921	7,295	3	43	37	-	-	-	2	46
Oregon	19	1,868	3,315	-	36	34	-	-	-	-	3
California	46	14,793	13,106	7	479	388	-	-	-	1	28
Alaska	11	551	190	-	17	18	-	-	-	-	-
_ Hawaii	2	144	3,896		4	8	-	-	-	_	-
Puerto Rico	51	2,966	2,531	1	15						1

## Morbidity and Mortality Weekly Report

## CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES FOR WEEKS ENDED

OCTOBER 22, 1966 AND OCTOBER 23, 1965 (42nd WEEK) · CONTINUED

AREA	SCARLET FEVER		NUS	TOLAN	EMIA	TYPH	IOID		BORNE Spotted)	ANIM	ALS
	1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966	1966	Cum. 1966
UNITED STATES	6,619	7	159	3	139	11	319		223	57	3,344
EW ENGLAND	841	_	4	_	1	_	10	_	3	3	79
Maine	40	_	_	_		-	-	_	_	_	2.5
New Hampshire	26	-	-	_	-	-	_	-	-	1	2
Vermont	6	-	-	-	-	-	_	-	_	1	2
Massachusetts	168	-	2	-	1	-	6	-	1	1	
Rhode Island	72	-	-	-	-	-	-	-	_	-	
Connecticut	529	-	2	-	-	-	4	-	2	-	
IDDLE ATLANTIC	178	1	14	-	-	1	53	-	41	1	20
New York City	6	-	5	-	-	-	22	-	-	-	
New York, Up-State.	142	-	2	-	-	1	12	-	13	1	18
New Jersey	NN	-	2	-	-	-	7	-	12	-	-
Pennsylvania	30	1	5	-	-	-	12	-	16	-	1
AST NORTH CENTRAL	522	1	19	-	18	-	39	-	17	8	43
Ohio	28	-	4	-	3	-	19	-	9	-	19
Indiana	93	-	4	-	8	-	4	-	-	4	9
Illinois	127	1	4	-	6	-	4	-	8	2	6
Michigan	176	-	5	-		-	6	-	-	1	3
Wisconsin	98	-	2	-	1	-	6	-	-	1	4
EST NORTH CENTRAL	246	1	12	-	16	1	29	-	4	19	75
Minnesota	5	1	3	-	-	-	-	-	-	7	17
Iowa	93	-	2	-	-	-	5	-	-	2	14
Missouri	5	-	6	-	10	1	14	-	3	3	23
North Dakota	104	-	-	-	_	-	1	-	-	2	3
South Dakota	11	-	-	-	2	-	-	-	-	4	8
Nebraska Kansas	28	-	- 1	-	2 2	-	2	-	-	-	2
Raiisas	20	-	1	-	2	-	7	-	1	1	5
OUTH ATLANTIC	1,115	-	32	1	12	6	62	-	107	7	42
Delaware	9	-	-	-	-	_	1	-	2	-	
Maryland	217	-	3	1	2	1	10	-	26	-	
Dist. of Columbia Virginia	- 210	-	-	-	-	-	2	-	-	-	
West Virginia	218 225	_	6	_	2	-	13	-	31	3	22
North Carolina	8	_	4	_	3	-	1 6	_	27	1 -	5
South Carolina	44	_	2	_	i	2	13	_	5	_	
Georgia	7	_	7	_	3	_	4		16	2	9
Florida	387	~	10	-	-	3	12	-	-	1	5
AST SOUTH CENTRAL	1,064	_	18	1	22	1	41	_	39	5	42
Kentucky	21	_	2	_	2	_	10	_	9	1	9
Tennessee	858	_	3	_	12	1	20	_	24	4	29
Alabama	107	-	7	-	4	_	6	_	6		2
Mississippi	78	-	6	1	4	-	5	-	-	-	2
EST SOUTH CENTRAL	666	3	40	1	61	1	32	_	8	7	67
Arkansas	6	-	4	ī	47	1	3	_	2	2	7
Louisiana	4	1	10	_	3	_	10	_		1	4
Oklahoma	74	1	3	-	7	_	9	_	5	2	17
Texas	582	1	23	-	4	-	10	-	1	2	38
OUNTAIN	1,021	-	2	-	6	_	14	_	3	2	8
Montana	81	-	-	-	2	_	-	_	-	-	
Idaho	59	-	-	-	-	-	-	-	-	-	
Wyoming	30	-	-	-	-	-	-	-	-	-	,
Colorado	380	-	2	-	-	-	3	-	2	-	1
New Mexico	230	-	-	-	1	-	2	-	1	1	1
Arizona	89	-	-	-	1	-	4	-	-	1	3
Utah Nevada	151 1	-	-	-	2	-	4	-	-	-	
	1						1	-	-	-	
ACIFIC	966	1	18	-	3	1	39	-	1	5	24
Washington	324	-	-	-	-	-	11	-	-	1	1
Oregon	26	-	1	-	-		1	-	-	-	
California	574	1	17	-	3	1	25	-	1	4	22
		_	-	-	_	-	-	-	-	-	
Alaska	2 40						2				

Week No.

### DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED OCTOBER 22, 1966

42

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

							,		
	All Ca	uses	D	II-d		All Car	uses	7	
			Pneumonia	Under				Pneumonia	Under
Area	A11	65 years	and	l year	Area	A11	65 years	and	l year
	Ages	and over	Influenza	All		Ages	and over	Influenza	
			All Ages	Causes				All Ages	Causes
NEW ENGLAND:	694	442	26	28	SOUTH ATLANTIC:	1,216	597	42	103
Boston, Mass	216	135	7	9	Atlanta, Ga	149	60	5	11
Bridgeport, Conn	48	33	3	1	Baltimore, Md	286	132	8	23
Cambridge, Mass	30	19	-	- 1	Charlotte, N. C	48	25	1	3
Fall River, Mass	20	14	-	2	Jacksonville, Fla	60	36	2	4
Hartford, Conn	58	30	3	6	Miami, Fla	79	39	1	10
Lowell, Mass	17	11	_	_	Norfolk, Va	53	28	6	
Lynn, Mass	15	10	_ [	_ [	Richmond, Va	76			1
		25	2	, ,			39	2	4
New Bedford, Mass	38	1		1	Savannah, Ga	43	16		3
New Haven, Conn	47	31	-	2	St. Petersburg, Fla	80	64	2	1
Providence, R. I	75	46	-	3	Tampa, Fla	69	34	7	4
Somerville, Mass	7	5	-	-	Washington, O. C	236	101	7	36
Springfield, Mass	40	28	3	-	Wilmington, Del	37	23	1	3
Waterbury, Conn	15	11	-	-					
Worcester, Mass	68	44	8	4	EAST SOUTH CENTRAL:	637	330	39	54
,					Birmingham, Ala	97	50	1	3
MIDDLE ATLANTIC:	3,317	1,926	141	163	Chattanooga, Tenn	39	18	6	3
Albany, N. Y	46	23	1	3	Knoxville, Tenn	24	16	3	3
Allentown, Pa	35	18	2	_	Louisville, Ky	158	82	13	8
Buffalo, N. Y	142	81		10	Memphis, Tenn		1		
			6	10		130	67	4	18
Camden, N. J	47	31	4	-	Mobile, Ala	46	21	-	8
Elizabeth, N. J	30	18	4	2	Montgomery, Ala	36	20	4	3
Erie, Pa	57	35	3	1	Nashville, Tenn	107	56	8	11
Jersey City, N. J	80	39	6	6					
Newark, N. J	106	50	13	5	WEST SOUTH CENTRAL:	1,064	560	38	71
New York City, N. Y	1,708	990	62	76	Austin, Tex	34	21	3	2
Paterson, N. J	46	26	4	5	Baton Rouge, La	26	15	-	1
Philadelphia, Pa	402	239	3	20	Corpus Christi, Tex	27	12	_	1
Pittsburgh, Pa	227	125	6	13	Oallas, Tex	127	64	8	9
Reading, Pa	45	34	4	1	El Paso, Tex	59	31	5	4
Rochester, N. Y	97	66	15	7	Fort Worth, Tex	68	35	2	5
Schenectady, N. Y	21	14	-		Houston, Tex.				
		1				200	89	2	15
Scranton, Pa	52	27	3	2	Little Rock, Ark	46	29	6	3
Syracuse, N. Y	74	43	2	7	New Orleans, La	160	76	2	10
Trenton, N. J	44	23	1	4	Oklahoma City, Okla	96	54	2	5
Utica, N. Y	28	24	1	1	San Antonio, Tex	108	69	2	9
Yonkers, N. Y	30	20	1	-	Shreveport, La	54	30	2	5
					Tulsa, Okla	59	35	4	2
EAST NORTH CENTRAL:	2,644	1,499	97	149					
Akron, Ohio	80	47	-	8	MOUNTAIN:	345	193	13	19
Canton, Ohio	39	24	7	5	Albuquerque, N. Mex	34	20	4	-
Chicago, Ill	751	415	32	39	Colorado Springs, Colo.	19	12	2	2
Cincinnati, Ohio	166	100	4	9	Oenver, Colo	114	64		7
Cleveland, Ohio	207	119	2	5	Ogden, Utah	19	12	1	_
Columbus, Ohio	124	69	_	4	Phoenix, Ariz	41	25	5	2
Dayton, Ohio	87	50	4	5	Pueblo, Colo	17		1	1
Oetroit, Mich	316	164	12	19			11 27	-	1
					Salt Lake City, Utah	56			7
Evansville, Ind Flint, Mich	51	31	1	1 1		1.0		-	
raint, mich		- 21	2		Tucson, Ariz	45	22	1	
	45	21	3	3			22		-
Fort Wayne, Ind	38	22	3	4	PACIFIC:	1,593	942	30	86
Fort Wayne, Ind Gary, Ind	38 37	22 22	3 5	4 2	PACIFIC: Berkeley, Calif	1,593 17	942 11	30	86 2
Fort Wayne, Ind Gary, Ind Grand Rapids, Mich	38 37 51	22 22 28	3 5 <b>3</b>	4 2 3	PACIFIC: Berkeley, Calif Fresno, Calif	1,593 17 53	942 11 25	30	86 2 5
Fort Wayne, Ind Gary, Ind Grand Rapids, Mich Indianapolis, Ind	38 37 51 179	22 22 28 90	3 5	4 2 3 7	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.*	1,593 17 53 38	942 11 25 27	30	86 2 5
Fort Wayne, Ind Gary, Ind Grand Rapids, Mich Indianapolis, Ind Madison, Wis	38 37 51 179 39	22 22 28 90 20	3 5 3 4	4 2 3 7 1	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii	1,593 17 53	942 11 25	30 - 1	86 2 5
Fort Wayne, Ind Cary, Ind Grand Rapids, Mich Indianapolis, Ind Madison, Wis Milwaukee, Wis	38 37 51 179	22 22 28 90 20 97	3 5 3 4 - 2	4 2 3 7	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Long Beach, Calif	1,593 17 53 38	942 11 25 27	30 - 1	86 2 5
Fort Wayne, Ind Gary, Ind Grand Rapids, Mich Indianapolis, Ind Madison, Wis	38 37 51 179 39	22 22 28 90 20	3 5 3 4	4 2 3 7 1	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii	1,593 17 53 38 39	942 11 25 27 15	30 - 1 -	86 2 5 1
Fort Wayne, Ind Cary, Ind Grand Rapids, Mich Indianapolis, Ind Madison, Wis Milwaukee, Wis	38 37 51 179 39	22 22 28 90 20 97	3 5 3 4 - 2	4 2 3 7 1 9	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Long Beach, Calif	1,593 17 53 38 39 77	942 11 25 27 15 54	30 - 1 - - 1 7	86 2 5 1 11 3 21
Fort Wayne, Ind	38 37 51 179 39 150 46	22 22 28 90 20 97 29	3 5 3 4 - 2 2	4 2 3 7 1 9 3	PACIFIC: Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Long Beach, Calif Los Angeles, Calif	1,593 17 53 38 39 77 538 82	942 11 25 27 15 54 321 41	30 - 1 - - 1	86 2 5 1 11
Fort Wayne, Ind	38 37 51 179 39 150 46 33	22 22 28 90 20 97 29 21 26	3 5 3 4 - 2 2 4 3	4 2 3 7 1 9 3 2	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Long Beach, Calif Los Angeles, Calif Oakland, Calif Pasadena, Calif	1,593 17 53 38 39 77 538 82 24	942 11 25 27 15 54 321 41 20	30 - 1 - - 1 7 3	86 2 5 1 11 3 21 6
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48	22 22 28 90 20 97 29 21 26 72	3 5 3 4 - 2 2 4 3 5	4 2 3 7 1 9 3 2 10 8	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Passadena, Calif Portland, Oreg	1,593 17 53 38 39 77 538 82 24 121	942 11 25 27 15 54 321 41 20 65	30 - 1 - - 1 7 3 - 2	86 2 5 1 11 3 21 6
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48	22 22 28 90 20 97 29 21 26	3 5 3 4 - 2 2 4 3	4 2 3 7 1 9 3 2	PACIFIC:  Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif	1,593 17 53 38 39 77 538 82 24 121	22 942 11 25 27 15 54 321 41 20 65 33	30 - 1 - 1 7 3 3 - 2 1	86 2 5 1 11 3 21 6
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53	22 22 28 90 20 97 29 21 26 72 32	3 5 3 4 - 2 2 2 4 3 5	4 2 3 7 1 9 3 2 10 8 2	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif	1,593 17 53 38 39 77 538 82 24 121 60 96	22 942 11 25 27 15 54 321 41 20 65 33 54	30 - 1 - 1 7 7 3 - 2 1 1 3	86 2 5 1 11 3 21 6 - 4 3 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53	22 22 28 90 20 97 29 21 26 72 32	3 5 3 4 - 2 2 2 4 3 5 1	4 2 3 7 1 9 3 2 10 8 2	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg San Oiego, Calif San Francisco, Calif	1,593 17 53 38 39 77 538 82 24 121 60 96 158	22 942 11 25 27 15 54 321 41 20 65 33 54 90	30 - 1 - 1 7 7 3 - 2 1 3 6	86 2 5 1 11 3 21 6 - 4 3 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53	22 22 28 90 20 97 29 21 26 72 32 547 41	3 5 3 4 2 2 2 4 3 5 1	4 2 3 7 1 9 3 2 10 8 2	PACIFIC:  Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif San Jose, Calif.* San Jose, Calif.*	1,593 17 53 38 39 77 538 82 24 121 60 96 158	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22	30 - 1 - - 1 7 3 - 2 1 3 6 2	86 2 5 1 11 3 21 6 - 4 3 8 9 2
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53 880 61 27	22 22 28 90 20 97 29 21 26 72 32 547 41 20	3 5 3 4 - 2 2 2 4 3 5 1	4 2 3 7 1 9 3 2 10 8 2 47 3 1	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif San Francisco, Calif.* Seattle, Wash	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22	30 - 1 - - 1 7 3 - 2 1 3 6 2 3	86 2 5 1 11 11 6 4 3 8 9 9 2 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49	22 22 28 90 20 97 29 21 26 72 32 547 41 20 27	3 5 3 4 4 - 2 2 2 4 4 3 5 5 1 3 1 2 - 4	4 2 3 7 1 9 3 2 10 8 2 47 3 1 3	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif San Jose, Calif.* Seattle, Wash Spokane, Wash	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35 168	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22 99 43	30 - 1 - 1 7 3 - 2 1 1 3 6 6 2 3 1	86 2 5 1 11 3 21 6 - 4 3 8 9 2 2 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49	22 22 28 90 20 97 21 26 72 32 547 41 20 27	3 5 3 4 4 - 2 2 2 4 4 3 5 5 1 2 - 4 4 3 3	4 2 3 7 1 9 3 2 10 8 2 47 3 1 3	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif San Francisco, Calif.* Seattle, Wash	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22	30 - 1 - - 1 7 3 - 2 1 3 6 2 3	86 2 5 1 11 11 6 4 3 8 9 9 2 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49 120 21	22 22 28 90 20 97 21 26 72 32 547 41 20 27 72	3 5 3 4 4 - 2 2 2 4 4 3 5 1 1 31 2 - 4 4 3 1 1	4 2 3 3 7 1 9 3 2 10 8 8 2 47 3 1 3 7	PACIFIC:  Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg San Oiego, Calif San Francisco, Calif San Jose, Calif.* Seattle, Wash Tacoma, Wash	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35 168	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22 99 43	30 - 1 - 1 7 3 - 2 1 1 3 6 6 2 3 1	86 2 5 1 11 3 21 6 - 4 3 8 9 2 2 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49	22 22 28 90 20 97 21 26 72 32 547 41 20 27	3 5 3 4 4 - 2 2 2 4 4 3 5 5 1 2 - 4 4 3 3	4 2 3 7 1 9 3 2 10 8 2 47 3 1 3	PACIFIC:  Berkeley, Calif Fresno, Calif.* Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif San Jose, Calif.* Seattle, Wash Spokane, Wash	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35 168	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22 99 43	30 - 1 - 1 7 3 - 2 1 1 3 6 6 2 3 1	86 2 5 1 11 3 21 6 - 4 3 8 9 2 2 8
Fort Wayne, Ind	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49 120 21	22 22 28 90 20 97 21 26 72 32 547 41 20 27 72	3 5 3 4 4 - 2 2 2 4 4 3 5 1 1 31 2 - 4 4 3 1 1	4 2 3 3 7 1 9 3 2 10 8 8 2 47 3 1 3 7	PACIFIC:  Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif Portland, Oreg San Oiego, Calif San Francisco, Calif San Jose, Calif.* Seattle, Wash Tacoma, Wash	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35 168 54	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22 99 43 22	30 - 1 - - 1 7 3 - 2 1 3 6 6 2 3 1	86 2 5 1 1 11 3 21 6 - 4 3 8 9 2 2 8 1
Fort Wayne, Ind.  Gary, Ind.  Grand Rapids, Mich.  Indianapolis, Ind.  Madison, Wis.  Milwaukee, Wis.  Peoría, Ill.  Rockford, Ill.  South Bend, Ind.  Toledo, Ohio-  Youngstown, Ohio-  WEST NORTH CENTRAL:  Des Moines, Iowa*  Duluth, Minn.  Kansas City, Kans.  Lincoln, Nebr.  Minneapolis, Minn.	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49 120 21	22 22 28 90 20 97 29 21 26 72 32 547 41 20 27 72 16 74	3 5 3 4 4 - 2 2 2 4 4 3 5 5 1 1 2 - 4 4 3 1 1 1	4 2 3 7 1 9 9 3 2 10 8 8 2 47 3 1 3 7	PACIFIC: Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Pasadena, Calif San Oiego, Calif San Oiego, Calif San Jose, Calif.* Seattle, Wash Tacoma, Wash Total	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35 168 54	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22 99 43 22 7,036	30 - 1 - - 1 7 3 - 2 1 3 6 6 2 3 1	86 2 5 1 1 11 3 21 6 - 4 3 8 9 2 2 8 1
Fort Wayne, Ind.  Gary, Ind.  Grand Rapids, Mich.  Indianapolis, Ind.  Milwaukee, Wis.  Peoria, Ill.  South Bend, Ind.  Toledo, Ohio-  Youngstown, Ohio-  WEST NORTH CENTRAL:  Des Moines, Iowa*  Duluth, Minn.  Kansas City, Kans.  Kansas City, Mo.  Lincoln, Nebr.  Minneapolis, Minn.  Omsha, Nebr.	38 37 51 179 39 150 46 33 48 104 53 880 61 27 49 120 21 109	22 22 28 90 20 97 29 21 26 72 32 547 41 20 27 72 16 74 78	3 5 3 4 4 - 2 2 2 4 4 3 3 5 1 1 2 - 4 4 3 1 1 3 3 1 1 3 3 1 1 1 3 3	4 2 3 7 1 9 3 2 10 8 2 47 3 1 3 7	PACIFIC:  Berkeley, Calif Fresno, Calif Glendale, Calif.* Honolulu, Hawaii Los Angeles, Calif Oakland, Calif Portland, Oreg Sacramento, Calif San Oiego, Calif San Jose, Calif San Jose, Calif.* Seattle, Wash Tacoma, Wash Total	1,593 17 53 38 39 77 538 82 24 121 60 96 158 35 168 54 33	22 942 11 25 27 15 54 321 41 20 65 33 54 90 22 99 43 22 7,036	30 -1 1  1 7 3 -2 1 3 6 6 2 3 1 1 	86 2 5 1 1 1 1 3 21 6 - 4 3 8 8 9 2 2 8 8 1 1 2
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## EPIDEMIOLOGIC NOTES AND REPORTS RESPIRATORY DISEASE - Panama and Canal Zane

An outbreak of respiratory illness in the Republic of Panama as well as in the Canal Zone began in early July and continued through the month of August. Complement fixation studies from two cases confirmed a fourfold rise in antibody to influenza A2, but further lab characterization has not yet been accomplished.

A review of the record for numbers of outpatient clinic visits related to upper respiratory illness reveals that peaks in occurrence in the past six years have been associated with isolation of type A or B influenza virus (Table 3).

Toble 3
Upper Respiratory Illnesses Reported to Outpotient
Clinics in the Conal Zone — 1961–1966

Month	1961	1962	1963	1964	1965	1966
January	175	158	111	129	106	140
February	162	155	131	118	78	118
March	175	138	149	173	121	206
April	134	88	77	155	128	181
May	140	257	139	255	152	144
June	312*	536**	262	304	385*	158
July	146	128	196	260	127	315
August	146	103	205	253	101	359*
						(through
						Aug. 22)
September	142	125	188+	231	104	
October	205	216	270	260	193	
November	138	357	181	261	207	
December	193	255	105	189	196	

<sup>\*</sup>Type A influenza isolated during epidemics of upper respiratory illness.

(Reported by the Division of Preventive Medicine, Canal Zone, Sidney B. Clark, M.D., Chief, Andries de Boer, M.D., Epidemiologist, and an EIS Officer assigned to the Zone.)

#### Editorial Note:

The seasonal distribution of the recent outbreak is in keeping with past experience in this geographical region where influenza generally occurs near the onset of of the heavy rainfall months (May or June). THE MORBIDITY AND MDRTALITY WEEKLY REPORT, WITH A CIRCULATION OF 15,600, IS PUBLISHED AT THE COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA

CHIEF, COMMUNICABLE DISEASE CENTER CHIEF, EPIDEMIOLOGY BRANCH ACTING CHIEF, STATISTICS SECTION

DAVIO J. SENCER, M.D. A.O. LANGMUIR, M.O. IOA L. SHERMAN, M.S.

IN ACOITION TO THE ESTABLISHED PROCEOURES FOR REPORTING MORBIOITY AND MORTALITY. THE COMMUNICABLE DISEASE CENTER WELCOMES ACCOUNTS OF INTERESTING OUTBREAKS OR CASE INVESTIGATIONS WHICH ARE OF CURRENT INTEREST TO HEALTH DFFICIALS ANO WHICH ARE DIRECTLY RELATED TO THE CONTROL OF COMMUNICABLE DISEASES, SUCH COMMUNICATIONS SHOULD BE ACORESSED TO:

THE EDITOR
MORBIOITY AND MDRTALITY WEEKLY REPORT
CDMMUNICABLE OISEASE CENTER
ATLANTA, GEORGIA 30333

NOTE: THE OATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE CDC BY THE INDIVIDUAL STATE HEALTH OEPARTMENTS. THE REPORTING WEEK CONCLUDES ON SATURDAY; COMPILEO OATA ON A NATIONAL BASIS ARE RELEASED ON THE SUCCEECING FRIDAY.

U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Communicable Disease Center
Atlanta, Georgia 30333

Official Business



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<sup>\*\*</sup>Type B influenza isolated during epidemic of upper respiratory illness.

tIsolation of Type A influenza made during a localized outbreak of respiratory illness among a group of soldiers.